METHOD AND SYSTEM FOR GENERATING AND USING A VIRUS FREE FILE CERTIFICATE INTEGRATED WITHIN A FILE

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Abstract

The present invention relates to computer virus and more particularly to a method and system for generating and using a virus-free file certificate integrated in a file. The method, for use in a virus-free certificate authority (102), for generating a virus-free certificate (200) certifying that a file is virus-free comprises the steps of:

• receiving (300) a virus-free certificate request for a file from a server (101) or a client (100) system, said virus-free certificate request comprising the file for which the virus-free certificate is requested;

• determining (301) whether a virus-free certificate is integrated in the file;

If no virus-free certificate is integrated in the file:

• determining (305) whether the file is virus-free or not;

if the file is declared virus-free by the virus-free certificate authority (102):

• generating (313, 314) a virus-free certificate (200) comprising a file signature (207) for certifying that said file is declared virus-free by the virus-free certificate authority (102);

• integrating (316) the generated virus-free certificate (200) in the file;

• sending (316) back in response to the virus-free certificate request the file with the integrated virus-free certificate (200).

The method, for use in a server (101) or client (100) system, for determining that a file is virus-free comprises the steps of:

• determining (401) whether a virus-free certificate (200) is integrated within a file;

if a virus-free certificate is integrated within the file:

• authenticating (415) the virus-free certificate (200), said virus-free certificate comprising a certificate signature (206);

• authenticating (407) the file, said virus-free certificate (200) comprising a file signature (207), said file signature certifying that said file has been declared virus-free by a virus-free certificate authority (102).

FR 9 99 116/YNE